Author's response to reviews

Title: Neuro-protective effect of rutin against Cisplatin-induced neurotoxic rat model

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Author’s response to reviews:

Date: 24 Jul 2017

To: "Othman Abdallah Al-Shabanah" shabanah@ksu.edu.sa

From: "BMC Complementary & Alternative Medicine - Editorial Office"
redick.paulmabatid@biomedcentral.com

Subject: Your submission to BMC Complementary and Alternative Medicine - BCAM-D-17-00540

BCAM-D-17-00540

Cisplatin-induced Oxidative Damage Can Be Prevented by Rutin

Mashal M. Almutairi, Assistant professor; Wael A. Alanazi, Assistant professor; Musaad A. Alshammari, Assistant professor; Moureq R. Alotaibi, Assistant professor; Ali R. Alhoshani, Assistant professor; Salim S. Al-Rejaie, Professor; Mohamed M. Hafez, Associated professor; Othman Abdallah Al-Shabanah, Ph.D
Dear professor Al-Shabanah,

Your manuscript "Cisplatin-induced Oxidative Damage Can Be Prevented by Rutin" (BCAM-D-17-00540) has been assessed by our reviewers. They have raised a number of points which we believe would improve the manuscript and may allow a revised version to be published in BMC Complementary and Alternative Medicine.

Their reports, together with any other comments, are below. Please also take a moment to check our website at http://bcam.edmgr.com/ for any additional comments that were saved as attachments. Please note that as BMC Complementary and Alternative Medicine has a policy of open peer review, you will be able to see the names of the reviewers.

If you are able to fully address these points, we would encourage you to submit a revised manuscript to BMC Complementary and Alternative Medicine.

Once you have made the necessary corrections, please submit online at:

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A point-by-point response letter must accompany your revised manuscript. This letter must provide a detailed response to each reviewer/editorial point raised, describing exactly what amendments have been made to the manuscript text and where these can be viewed (e.g. Methods section, line 12, page 5). Please also ensure that all changes to the manuscript are indicated in the text by highlighting or using track changes. If you disagree with any comments raised, please provide a detailed rebuttal to help explain and justify your decision.

Please also ensure that your revised manuscript conforms to the journal style, which can be found at the Instructions for Authors on the journal homepage.

A decision will be made once we have received your revised manuscript, which we expect by 23 Aug 2017.

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Please be aware that we may investigate, or ask your institute to investigate, any unauthorised attempts to change authorship or discrepancies in authorship between the submitted and revised versions of your manuscript.

I look forward to receiving your revised manuscript and please do not hesitate to contact us if you have any questions.

Best wishes,

Seung Min Oh

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Responses to the Editor’s and Reviewers' Comments

The authors would like to thank the reviewers for careful review of our manuscript and providing us with their comments and suggestions to improve the quality of the manuscript. The following responses have been prepared to address all of the reviewers’ comments in a point–by-point fashion.

Reviewer reports: Mohamed Abdel-Daim, Ph.D. (Reviewer 1): Cisplatin-induced Oxidative Damage Can Be Prevented by Rutin

The manuscript should be revised for linguistic errors.

Native English speaker has revised the manuscript. If you find that the manuscript still need another English language or editing revision please inform me to send it to one of the English language editing service that you recommended “Nature Research Editing Service
Why brain was chosen as a target organ in this study, why not kidney, as cisplatin is mainly nephrotoxic agent.

Thanks for your comment, the main side effect of platinum-based agents such as cisplatin is nephrotoxicity and neurotoxicity (cognitive impairment and peripheral neuropathy) in this project we aimed to study the possible protective mechanisms and the role of rutin in cisplatin-induced neurotoxicity and nephrotoxicity. From this project, we recently published one article titled “Protective effect of Rutin supplementation against cisplatin-induced Nephrotoxicity in rats”. In BMC nephrology journal in 2017 Jun 15;18(1):194. doi: 10.1186/s12882-017-0601-y.

The title and abstract should be modified to include brain as a target organ, and to be more representative of the experimental design and results.

The title has been changed to “Neuro-protective effect of rutin against Cisplatin-induced neurotoxic rat model”. The abstract has been changed to be more representative of the experimental design and results.

Which part of brain was chosen for analysis?

Brain tissue from frontal cortex was collected for RNA isolation.

I recommend more confirmatory histopathological study for the brain lesions.

Thanks for your suggestion but we know that the histological study will improve the quality of the manuscript but unfortunately, we did not take the brain in this study and also we did not have an extra budget of the project to repeat the experiment again for the histology.

I recommend enrichment of introduction and discussion sections to involve more recent studies about cisplatin prevention with many preventive strategies (not only flavonoids as rutin). The following references are recommended;


Thanks for your comment, the introduction and discussion sections have been revised and studies that are more recent have been added. Reference No. 29, 30 and 31.

Hongtao Bi, Ph.D. (Reviewer 2): This study is an interesting and meaningful work. The experimental design is straightforward and properly carried out. The data are clearly presented and convincing. However, it seems that the manuscript has been prepared in a hurry: for example, the punctuation in many cases is not appropriate or missing. And there are numerous grammatical and spelling mistakes present in the text. Some sentences are very difficult to understand. So, please improve the readability of the manuscript.

Native English speaker has revised the manuscript. If you find that the manuscript still need another English language or editing revision please inform me to send it to one of the English language editing service that you recommended “Nature Research Editing Service (http://bit.ly/NRES_BS) and American Journal Experts (http://bit.ly/AJE_BS) for help with English usage.

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